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Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of the claims:

Claims 1-182 (Previously canceled)

(a)

Claim 183: (Currently amended) Approcess for preparation composition which comprises:

determining whether a compared a mammalian NPFF receptor agonist by an emodwhich complises contacting cells transfected with a expressing DNA fer coding the mammalian NPFF receptor with the compared under conditions permitting the activation, of the mammalian NPFF receptor, and detecting an increase in ammalian NPFF receptor activity activation, so as to thereby determine whether the compound is a mammalian NPFF

(b) receiving the compound free of any mammalian NPFF receptor;

c) admixing a carrier, thereby preparing the composition;

the mammalian NPFF receptor comprises an amino acid sequence which is the same as the sequence of the human NPFF2 receptor encoded by plasmid pCDNA3.1-hNPFF2b (ATCC Accession No. 203255); or the sequence shown in SEQ ID NO: 6.

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prises:

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Claim 184: (Currently amended) A process for preparing a composition which comprises:

- determining whether a compound is a mammalian NPFF receptor antagonist by a method with a compound is a mammalian NPFF receptor with the compound limits recording the mammalian NPFF receptor with the compound limits recording the mammalian NPFF receptor and decrease in mammalian NPFF receptor activity activation, so as to thereby determine whether the compound is a mammalian NPFF receptor antagonist;
- (b) recovering the policy of any matrimalian NPFF receptor; and
- (c) admixing a same, thereby presaming the composition;

wherein the mammalian National Comprises an amino acid sequence which is the same as the sequence of the human NPFF2 receptor encoded by plasmid pCDNA3.1-hNPFF2b (ATCC Accession No. 203255); or the sequence shown in SEQ ID NO: 6.

Claim 185: (Previous // Presented) A process for preparing a composition which

identifying a chemical compound which specifically binds to a mailian NPFF receptor by a method which comprises contacting cells containing DNA encoding and expressing on their cell surface the mammalian NPFF receptor, wherein such cells do not normally express the mammalian NPFF receptor, or a membrane preparation of such cells, with the chemical compound under conditions suitable for binding, and detecting specific

(a)

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binding of the chemical compound to the mammalian NPFF receptor;

(b) recovering the compound free of any mammalian NPFF receptor;

wherein the mammalian NEFT eptor comprises act amino acid sequence which is the same as the same of the human NPFF2 receptor encoded by plasmid pCDNAS (ATCC Accession No. 203255); or the sequence shown in SEQUENCE 6.

Claim 186: (Currently amended A process in the paring a composition which comprises:

identic of a chemical compound which specifically binds to a manufalian NPFF receptor, or a membrane preparation of such cells do not normally express the manufalian NPFF receptor, or a membrane preparation of such cells do not normally express the manufalian NPFF receptor, or a membrane preparation of such cells with both [[the]] a first chemical compound and a second chemical compound, wherein the second chemical compound is known to bind a mammalian NPFF receptor, under conditions specific binding of the first chemical compound to the mammalian NPFF receptor, a decrease in the binding of the first chemical compound binds to the mammalian NPFF receptor;

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(b) recovering the first compound free of any mammalian NPFF receptor; and

(c) admixing a carrier, thereby preparing the composition;

wherein the mammalian NPF5 receptor encoded by plastic light and p

Claim 187: (Previously presented) Approcess for preparities a composition which comprises:

(a) identifying a compound that specifically binds to a mammalian NPFF receptor of a mammalian transfered with anti-express is DNA encoding the mammalian NPFF receptor, where start cells do not normally express the mammalian NPFF receptor, or a membrane preparation of such cells with a first compound known to bind specifically to the mammalian NPFF receptor;

of acting the preparation of step (a) with a plurality of explaining and known to bind specifically to the mammalian NP FF eceptor, under conditions permitting binding, and detecting specific binding of the first compound;

the presence of any compound within the plurality of compounds relative to the binding of the first compound in the absence of the plurality of compounds; and if so

(d) separately determining the binding to the mammalian NPFF receptor of compounds included in the plurality of compounds so

(a)

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as to thereby identify a compound included in the plurality of compounds which specifically binds;

(e) recovering the compound which was included in the plurality of compounds free of any mample. Freceptor; and

(f) admixing a carrier, the pay preparing the composition;

wherein the mammalian representation complises a samino acid sequence which is the same as the sequence of the numan NPFF2 receptor encoded by plasmid pedness in NPFF2b (ATCC Accession No. 203255); or the sequence shown in Stanton NO: 6.

Claim 188: (Previously presented) A process for preparing a composition which comprises:

identifying a chemical compound which specifically binds to and activates in ammalian NETE ceptor by a method which comprises contacting cells producing a second messenger response and expressing on their cell surface the mammalian NPFF receptor, which is such called pot normally express the mammalian NPFF receptor with the chemical compound under conditions suitable for activation of the mammalian NPFF receptor, and measuring the second was enger response in the presence and in the absence of the chemical compound indicating that the compound activates the mammalian NPFF receptor;

- (b) recovering the compound free of any mammalian NPFF receptor; and
- (c) admixing a carrier, thereby preparing the composition;

wherein the mammalian NPFF receptor comprises an amino acid

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sequence which is the same as the sequence of the human NPFF2 receptor encoded by plasmid pCDNA3.1-hNPFF2b (ATCC Accession No. 203255); or the sequence shows in SEQ ID NO: 6.

Claim 189: (Previously presented) A process for prevaing a composition which comprises:

(a) identifying a chemical č ls to and emethod which inhibits activation of a mamp receptor by cing a second messenger comprises separately contacting response and express express the mammalian receptor, wherein: normally gal compound and a second NPFF receptor, v to actuate the NPFF receptor, and with chemical compo d chemical competite, under conditions suitable for the mamma PFF receptor, and measuring the enger response in the presence of only the second goding and in the presence of both the second chemical schemical compound, a smaller change in the ssenger response in the presence of both the first chemical nd the second chemical compound than in the presence of nd chemical compound indicating that the first chemical 爾hibits activation of the mammalian NPFF receptor;

recovering the first compound free of any mammalian NPFF receptor;

(c) addixing a carrier, thereby preparing the composition;

wherein the mammalian NPFF receptor comprises an amino acid sequence which is the same as the sequence of the human NPFF2

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receptor encoded by plasmid pCDNA3.1-hNPFF2b (ATCC Accession No. 203255); or the sequence shown in SEQ ID NO: 6.

Claim 190: (Currently amended) A procession in a string a composition which comprises:

- (a) identifying a compound which activates a marinalian NRFF receptor by a method which compares conjecting cells in a second with and expressing DNA encoding trees in a lian NPFF receptor, wherein such cells do not normally express the nammalian NPFF receptor, with a plurality of compounds not known to a second water the mammalian NPFF receptor;
- (b) determining whether the approximation of the mammalian NPFF receptor is increased in the presence of such compounds; and if so
- (c) separately reception of the mammalian NPFF receptor is increased by each compound included in the plurality of compound is so as to thereby identify the compound that activates the mammalian NFFF receptor;

vering the compound free of any mammalian NPFF receptor; and

wherein the mammalian NPFF receptor comprises an amino acid sequence which is the same as the sequence of the human NPFF2 exceptor epicoded by plasmid pCDNA3.1-hNPFF2b (ATCC Accession No. 208255); or the sequence shown in SEQ ID NO: 6.

Claim 191: (Currently amended) A process for preparing a composition which comprises:

(a) identifying a compound that inhibits the activation of a mammalian

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NPFF receptor by a method which comprises contacting cells transfected with and expressing DNA encoding the mammalian NPFF receptor, wherein such cells do not normally express the mammalian NPFF receptor, with a plurality of contacting in the presence of a known mammalian NPFF receptor agonts inder conditions permitting activation of the mammalian NPFF receptor.

- (b) determining whether the act valid of the mammalian New reduced in the presence of such purality of compounds, relative to the activation of the mammalian NPTE respector in the absence of the plurality of compounds repair so
- separately determining wishing the inhibition of activation of the mammalian NPF freceptor of each compound included in the plurality of compounds is increased by each compound included in the plurality of compounds so as tolding eby identify a compound that inhibits the activation of the mammaliant half receptor;
- (d) recovering the compound free of any mammalian NPFF receptor; and (e) admixing a arrier, thereby preparing the composition;

wherein the intermalian NRFF receptor comprises an amino acid sequence which is the series as the sequence of the human NPFF2 receptor encoded by plasmid pc NA3.1-hNPFF2b (ATCC Accession No. 203255); or the sequence shawn in SEQ ID NO: 6.

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